

100

FIG. 1

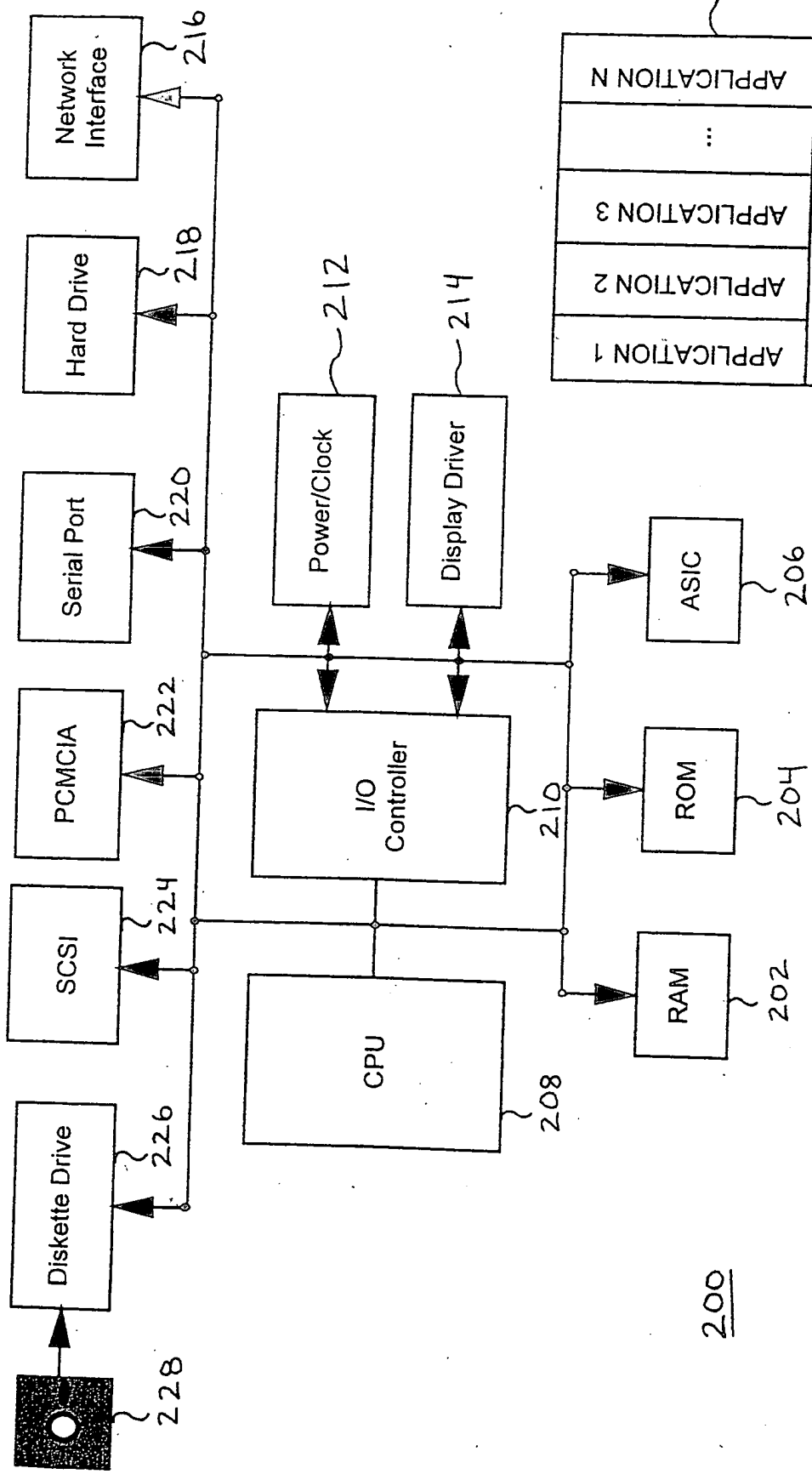


FIG. 2

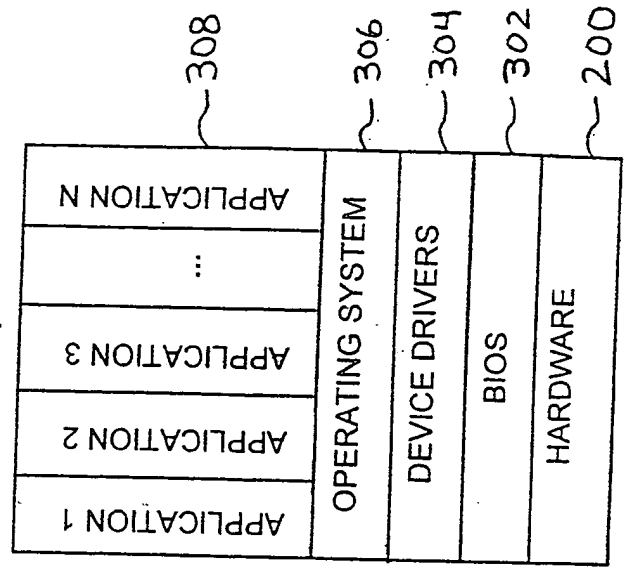


FIG. 3

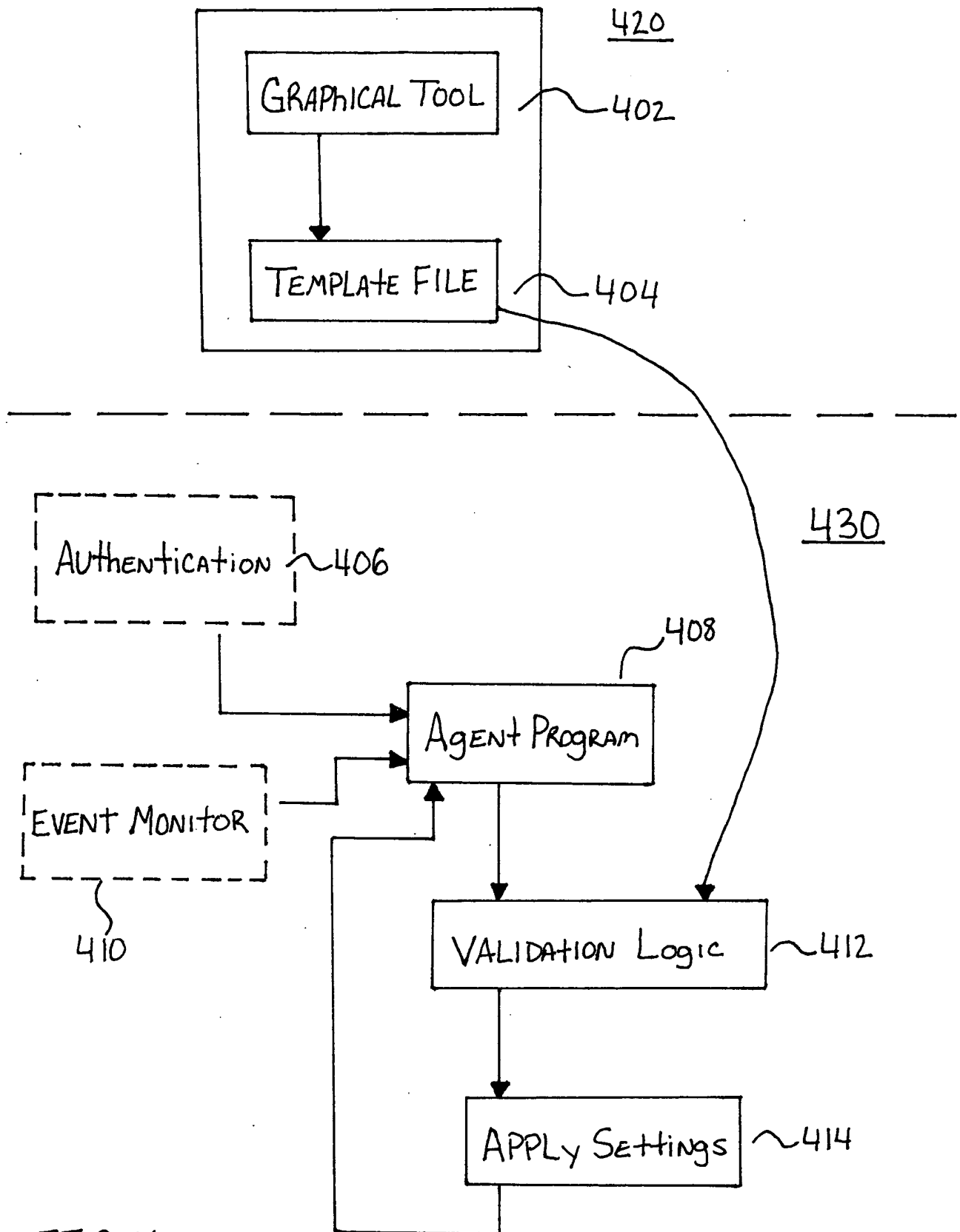


FIG.4

507

508 506 504 510

Domain
Site
OU (Computer)
OU (User)
Group Membership
Primary Group
User Name
TCP/IP Address
Host Address
Computer Name
MAC Address
TS Application Name
TS Initial Program
TS Client Name
TS Session Name
TS Client TCP/IP Addr.

Validation Logic

Type Value

Class OS Connection

☐ Desktop ☐ 95 ☐ NT ☐ LAN

☐ Notebook ☐ 98 ☐ 2000 ☐ Dial-up

☐ Tablet PC ☐ Me ☐ XP

☐ Term Serv Client ☐ 2003

☐ Member Server

☐ Domain Controller

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FIG. 5

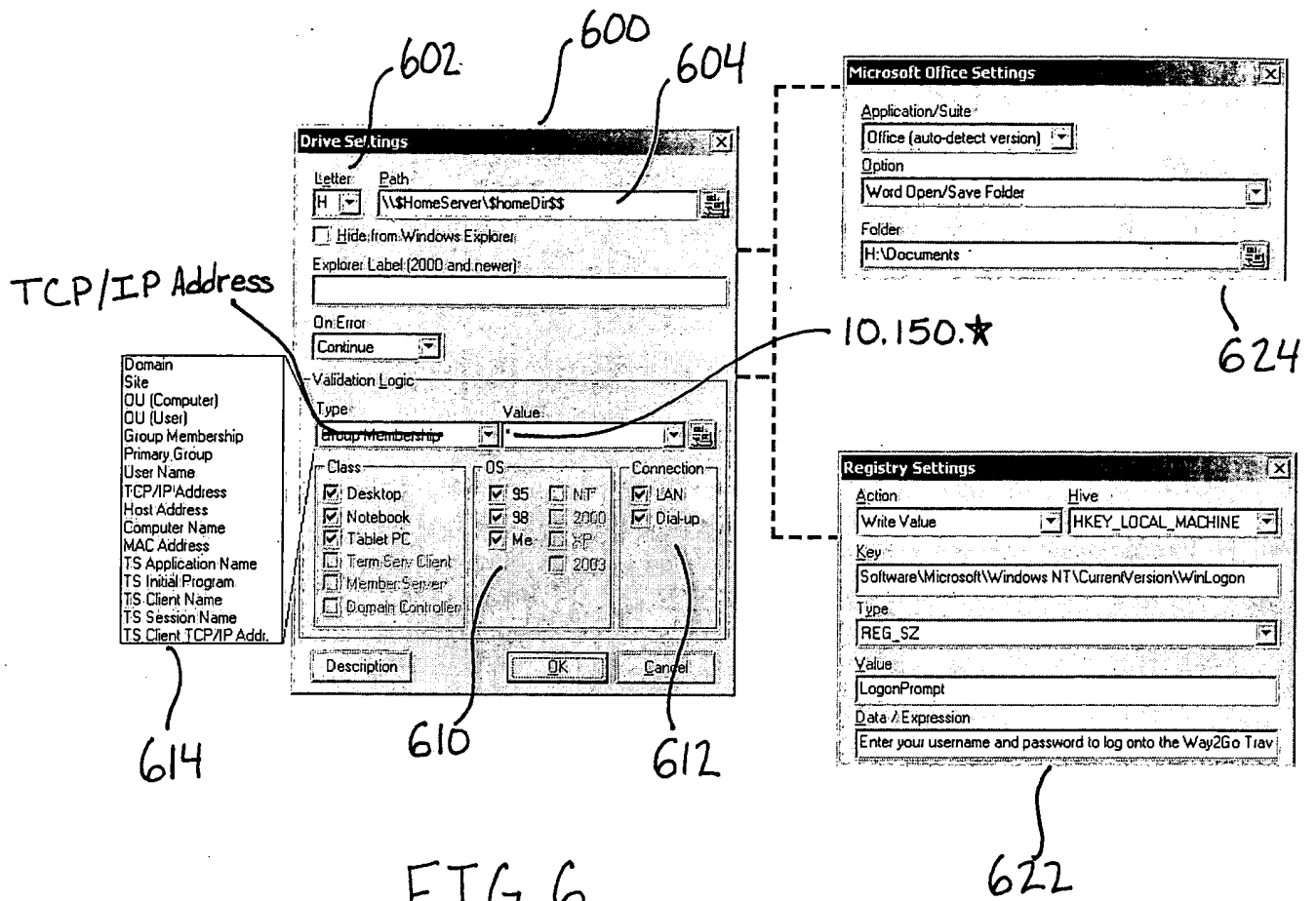


FIG. 6

View Pane

Application Launcher

Description	Filespec	Args	Cycle	Cycle Data	Frequency	Timing	Hide	Wait	Admin	Validation
testapp	arg	E	*	E	After	Visible	Continue	User	/G=!Accounting Group!/P=!Human Res	

Settings Validation Logic

Validation

Type ☐ NOT Value
Group Membership Accounting Group

Add Remove

☒ OR ☐ AND

Operator	Type	Validation
IF	Group	Accounting Group
AND NOT	Primary Group	Human Resources Group
OR	UserOU	RD*

Class
☒ Desktop
☒ Portable
☒ Tablet PC
☐ Term Serv Client
☒ Member Server
☒ Domain Controller

OS
☒ 95 ☐ NT
☒ 98 ☒ 2000
☒ Me ☒ XP

Connection
☒ LAN ☒ Dial-up

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FIG. 7

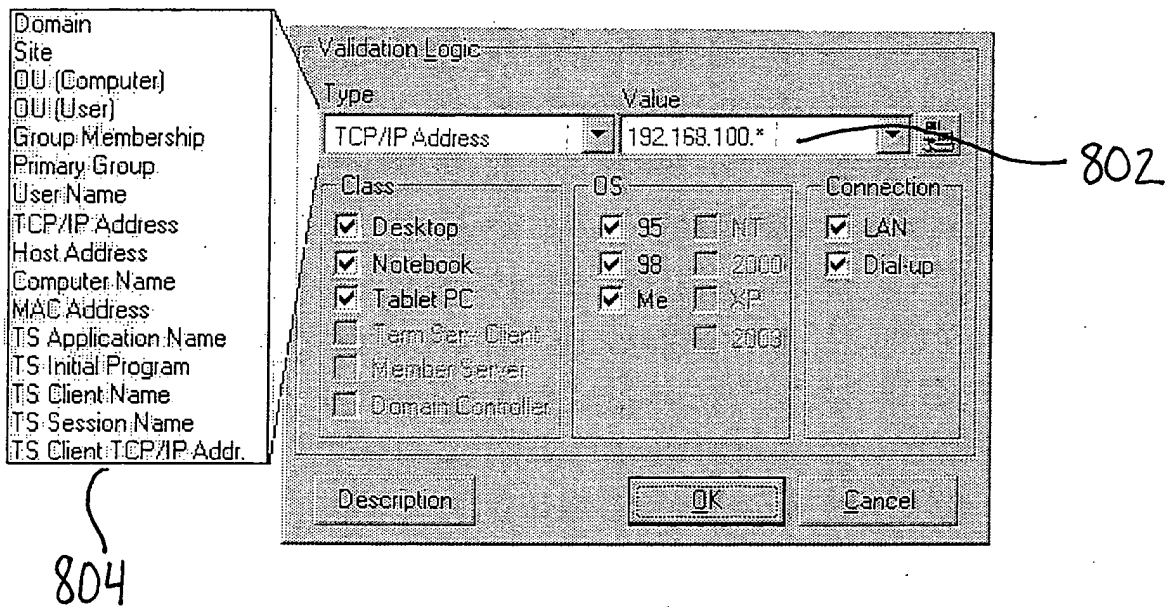


FIG. 8

FIG. 9

```

function slMultiCompare($StringA,$StringB)
; SL platforms: 4.01 ; LastRev: 2002-Aug-21
; dependencies: slWildCompare(), slQuestionCompare()
; compares one string to another, and supports '*' and '?' as wildcards
; stringA: constant string
; stringB: variable string
;         stringB can contain wildcards '*' and '?'
;         stringB can be an array or a single string containing multiple elements,
each separated by a semi-colon
dim $ArrayB, $elementB
$slMultiCompare=0 ; default false
if $StringA and $StringB
    $StringA=trim($StringA)
    if varType($StringB)<8192 ; StringB is a string
        $ArrayB=split($StringB+',';',';') ; remove last ; added for split to achieve at least
one element
        redim preserve $ArrayB[ubound($ArrayB)-1]
    else ; StringB is an array
        $ArrayB=$StringB
    endif
    for each $ElementB in $ArrayB
        $ElementB=trim($elementB)
        select
            case $ElementB='*' ; single wildcard - matches everything
                $slMultiCompare=1
                return ; true
            case $StringA=$ElementB
                $slMultiCompare=1
                return ; true
            case instr($ElementB,'*')
                if slWildCompare($StringA,$ElementB)
                    $slMultiCompare=1
                    return ; true
                endif
            case instr($ElementB,'?')
                if slWildCompare($StringA,$ElementB)
                    $slMultiCompare=1
                    return ; true
                endif
            case 1 ; no wildcards and we've already determined that strings don't match
                ; do nothing - proceed to next array element
        endselect
    next
endif
endfunction

```

```

function slWildCompare($StringA,$StringB)
; SL platforms: 4.01 ; LastRev: 2002-Aug-21
; dependencies: slQuestionCompare()
; Do not call this function directly -- use slMultiCompare() instead
; compares one string to another, and supports wildcards
; stringA: constant string
; stringB: variable string (can contain wildcards '*' and '?')
; could add case-sensitivity option in future...
dim $lenStringA, $lenStringB, $QuestionLoc, $AsteriskLoc
dim $GlobArray, $lenGAE, $lenGAefirst, $lenGAElast, $GAUB
$slWildCompare=0 ; default to no match
if $StringA and $StringB
    $StringA=trim($StringA)
    $lenStringA=len($StringA)
    if $StringB='*' ; single wildcard - matches everything
        $slWildCompare=1
        return ;true
    endif
    if $StringA=$StringB ; exact match
        $slWildCompare=1
        return ;true
    else ; not exact match

```

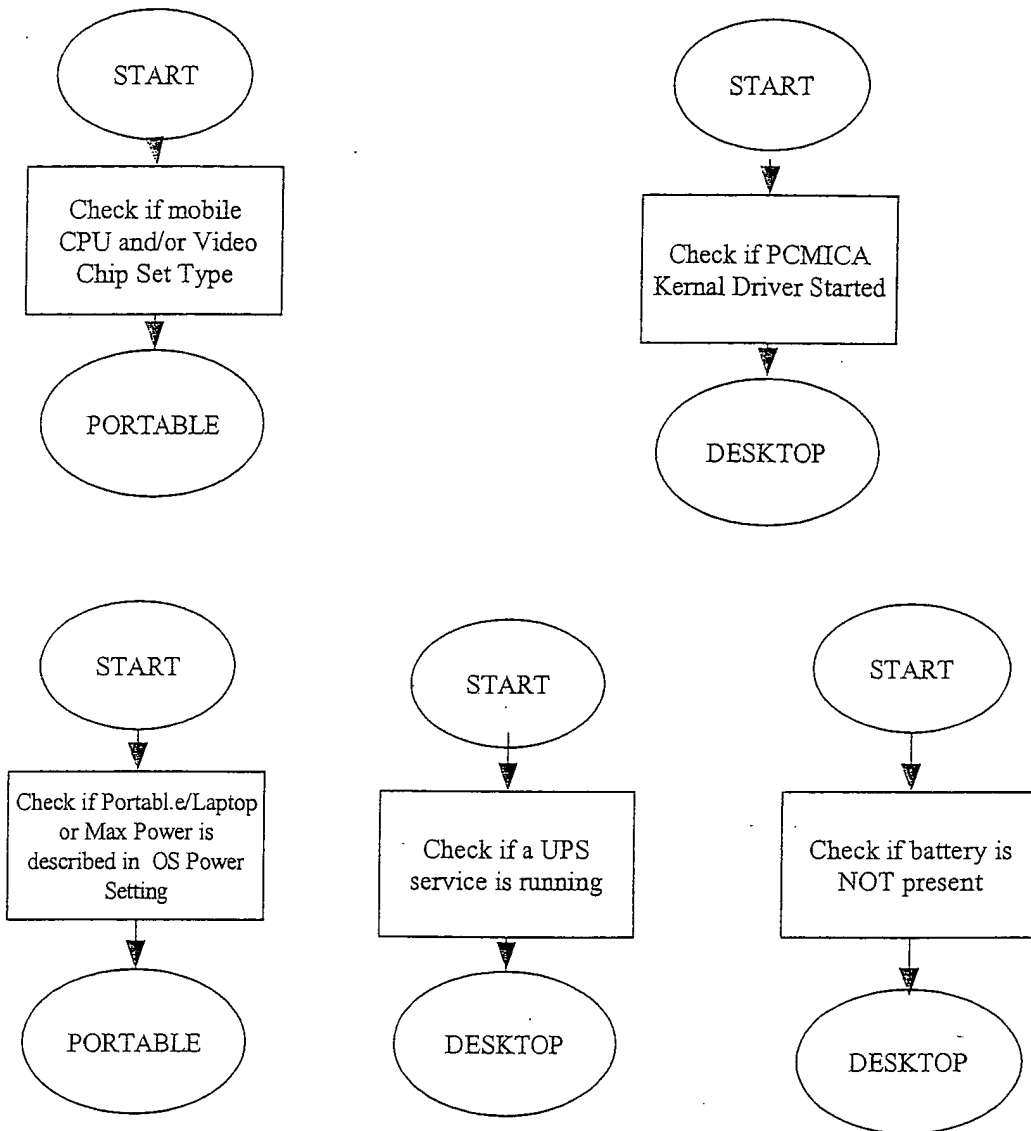



FIG.10

FIG. 11 FLOW AND CASE STATEMENT

```

$CurrentPowerProfileValue=readvalue('HKCU\Control
Panel\PowerCfg','CurrentPowerPolicy')
$CurrentPowerProfileName=readvalue('HKCU\Control
Panel\PowerCfg\PowerPolicies\'+$CurrentPowerProfileValue,'Name')
select
    case instr($SiProcessorNameString,'mobile') ; Mobile CPU type
        ; highly confident that this is a portable computer!
        ; platforms tested on: XP
        $ClientClassRule='rule 1: Mobile CPU type -> portable'
        $SiComputerType='Portable'
        $ClientClass='Port'
    case @INWIN=1 and
0+readvalue('HKLM\System\CurrentControlSet\Services\pcmcia','Start')=4 ; NT & PCMCIA
kernel driver not started
        ; highly confident that this is a desktop computer!
        ; platforms tested on: NT, 2000, XP
        $ClientClassRule='rule 2: PCMCIA driver not started (NT) -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case @INWIN=2 and
''+readvalue('HKLM\System\CurrentControlSet\Control\InstalledFiles','PCCard.vxd')='' ; 9x
& PCMCIA kernel driver not started
        ; highly confident that this is a desktop computer!
        ; platforms tested on: 95, 98, Me
        $ClientClassRule='rule 3: PCMCIA driver not started (9x) -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case $OS<>'NT' and $SiBatteryState=128 ; no battery present
        ; fairly confident that this is a desktop computer (it could be a laptop with the
battery removed).
        ; platforms tested on:
        $ClientClassRule='rule 4: No system battery detected -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case slGetServiceStartup('UPS')='Automatic' ; Built-in UPS service on 2000/XP
        ; highly confident that this is a desktop computer (who'd install UPS software on
a laptop?)
        ; platforms tested on: XP, 2000
        $ClientClassRule='rule 5: built-in UPS service is automatic -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case slGetServiceStartup('LiebertM')='Automatic' ; Liebert MultiLink 3.0
        ; highly confident that this is a desktop computer (who'd install UPS software on
a laptop?)
        ; platforms tested on: XP, 2000
        $ClientClassRule='rule 6: Liebert MultiLink UPS service is automatic -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case slGetServiceStartup('APCPBEAgent')='Automatic' ; APC PowerChute Business
Edition 6.1
        ; highly confident that this is a desktop computer (who'd install UPS software on
a laptop?)
        ; platforms tested on: XP, 2000
        $ClientClassRule='rule 7: APC PowerChute Business Edition UPS service is
automatic -> desktop'
        $SiComputerType='Desktop'
        $ClientClass='Desk'
    case slGetServiceStartup('APC UPS Service')='Automatic' ; APC PowerChute Personal
Edition
        ; highly confident that this is a desktop computer (who'd install UPS software on
a laptop?)

```

```

    $asteriskLoc=instr($StringB,'*')
    $questionLoc=instr($StringB,'?')
    if not ($asteriskLoc or $questionLoc)
        return ; false: no wildcards - no reason to continue
    endif
    $lenStringB=len($StringB)
    $GlobArray=split($StringB+'*','*')
    $GAUB=ubound($GlobArray)-1
    redim preserve $GlobArray[$GAUB] ; remove last * added for split to achieve at
least one element
    ; first Glob - special case test
    $lenGAEfirst=len($GlobArray[0])
    if not slQuestionCompare(left($StringA,$lenGAEfirst),$GlobArray[0])
        return ; false
    endif
    ; last Glob - special case test
    $lenGAElast=len($GlobArray[$GAUB])
    if not slQuestionCompare(right($StringA,$lenGAElast),$GlobArray[$GAUB])
        return ; false
    endif
    $StringA=substr($StringA,$lenGAEfirst+1,len($StringA)-$lenGAElast) ; removed final
-1 (was failing on *abc*)
    if $GAUB<2 ; less than 2 Globs - preceeding special case tests determined result
        $slWildCompare=1
        return ; true
    endif
    for $index=1 to $GAUB-1 ; process elements 2 through next-to-last
        $lenGAE=len($GlobArray[$index])
        if len($StringA)<$lenGAE
            return ; false
        endif
        while len($StringA) and not
slQuestionCompare(left($StringA,$lenGAE),$GlobArray[$index])
            $StringA=substr($StringA,2)
        loop
        if not slQuestionCompare(left($StringA,$lenGAE),$GlobArray[$index])
            return ; false
        else
            $StringA=substr($StringA,$lenGAE+1)
        endif
    next
    $slWildCompare=1
endif
endif
endfunction

function slQuestionCompare($StringA,$StringB)
; SL platforms: 4.01 ; LastRev: 2002-Aug-21
; Do not call this function directly -- use slMultiCompare() or slWildCompare() instead
; compares one string to another, and supports '?' as a wildcard
; StringA - constant
; StringB - variable
dim $index, $StringBchar
$slQuestionCompare=1
if $StringA and $StringB
    if $StringA=$StringB
        $slQuestionCompare=1 ; true
    else
        $slQuestionCompare=0 ; default no match
        if not instr($StringB,'?') ; no question marks
            return ; false
        else
            ; length of both strings must be same to continue
            if len($StringA)<>len($StringB) ; different lengths
                return ; false
            endif
            ; perform comparison character-by-character
            for $index=1 to len($StringA)
                $StringBchar=substr($StringB,$index,1)
                if (substr($StringA,$index,1)<>$StringBchar) and $StringBchar<>'?'
                    return ; false
                endif
            next
        endif
    endif
endif
return $slQuestionCompare
endfunction

```

```
        endif
      next
      $slQuestionCompare=1 ; true
    endif
  endif
endif
endfunction
```

```

; platforms tested on: XP, 2000
$ClientClassRule='rule 8: APC PowerChute Business Edition UPS service is
automatic -> desktop'
$SiComputerType='Desktop'
$ClientClass='Desk'
case $CurrentPowerProfileName='APC USB UPS'
; highly confident that this is a desktop computer (who'd install UPS software on
a laptop?)
; ***$$ what about other UPS brands? What about APC non-USB models?
; platforms tested on: XP, 2000
$ClientClassRule='rule 9: APC USB UPS power scheme -> desktop'
$SiComputerType='Desktop'
$ClientClass='Desk'
case $CurrentPowerProfileName='Portable/Laptop' or $CurrentPowerProfileName='Max
Battery'
; somewhat confident that this is a portable computer. This setting is user
profile-specific and can be changed
; platforms tested on: XP, 2000
$ClientClassRule='rule 10: portable/laptop or max battery power scheme ->
portable'
$SiComputerType='Portable'
$ClientClass='Port'
case 1
; At this point, here is what we know:
; Not a mobile CPU type
; The Portable/Laptop power scheme is not selected
; It does have PCMCIA sockets.
; 9x, 2000 & XP systems do not have a battery present
;
$ClientClassRule='rule 11: default -> portable'
$SiComputerType='Portable'
$ClientClass='Port'
endselect

```